

REMARKS

Claims 1 – 14, 22, 24 – 34, and 36 – 41 remain in the present application for consideration. Claims 35, 42 – 53, and 66 – 82 have been withdrawn from consideration and will be cancelled upon indication of allowance of the application. Claims 15 – 21, 23, and 54 – 65 have been cancelled. Claims 1, 2, 4, 13, and 22 have been amended. The specification has been amended to correct an inadvertent typographical error.

The specification stands objected to as incorrectly referencing figures 4, when it should reference figures 5. The specification has been amended to correct this inadvertent typographical error. Accordingly, reconsideration and withdrawal of this objection are respectfully requested.

Claims 59 and 65 stand objected to as being allegedly unclear. Claims 59 and 65 have been cancelled rendering this rejection moot.

Claims 1 – 5, 7, and 10 – 12 stand rejected as being allegedly anticipated by Gottfried et al. Claim 1 has been amended to include the limitations of dependent claim 16 (now cancelled). However, claim 16 was rejected as being allegedly unpatentable over Gottfried et al. in combination with McCormick et al. (paragraph 18 of the present Office Action). This rejection of claim 16 is now addressed as it would now apply to amended claim 1. Claim 1 now recites “extracting information corresponding to periodic pixels from *a plurality of arrays of pixels each having an elemental image array* of a three-dimensional object formed thereon, *each of said arrays of pixels defined by a plurality of arrays of lenses and a corresponding plurality of detectors*”, emphasis added. The Examiner does not address these limitations (originally found in claim 16) in paragraph 18 of the Office Action. In fact the Examiner states that the proposed combination Gottfried et al. and McCormick et al. teaches away from the recited “*a plurality of arrays of pixels each having an elemental image array*” and “*each of said arrays of pixels defined by a plurality of arrays of lenses and a corresponding plurality of detectors*”. More specifically, the Examiner states “It would have been obvious at the time the invention was made to one of ordinary skill in the art to replace the array of cameras

required by Gottfried, with the image capture device taught by McCormick, in order to capture the plurality of images from different perspective because the McCormick capture device is simpler, *requiring only one optical system and one detector ...*”, emphasis added. As the Examiner points out, the proposed combination fails to teach or suggest “*a plurality of arrays of pixels each having an elemental image array*” and “*each of said arrays of pixels defined by a plurality of arrays of lenses and a corresponding plurality of detectors*”. Accordingly, applicants submit that amended claim 1 is (1) patentable over Gottfried et al. in combination with McCormick et al. and (2) not anticipated by Gottfried et al. Dependent claims 2 – 5, 7, and 10 – 12 are also patentable and not anticipated, since they depend from what should now be an allowable independent claim. Accordingly, reconsideration and allowance of claims 1 – 5, 7, and 10 – 12 are respectfully requested.

Claims 22, 24 – 29, and 34 stand rejected as being allegedly anticipated by McCormick et al. Claim 22 has been amended to include the limitations of dependent claim 23 (now cancelled). Claim 23 was not rejected over McCormick et al. or otherwise in the present Office Action. Apparently, claim 23 was rejected as depending from a rejected base claim, as no mention of claim 23 is found in the Office Action. Claim 22 now recites “a processor connected to said detector to process said digitized image information to reconstruct an image of the three-dimensional object, *said processor processing said digitized information to extract information corresponding to periodic pixels from said arrays of pixels to reconstruct an image from a view angle of the three-dimensional object, said periodic pixels defining said view angle*”, emphasis added. The Examiner cites the 3D INVERSE DCI STAGE 73 of McCormick et al. as the recited processor, see page 7 of the Office Action. Neither the 3D INVERSE DCI STAGE 73 nor McCormick et al. as a whole teach or suggest “*processing said digitized information to extract information corresponding to periodic pixels from said arrays of pixels to reconstruct an image from a view angle*” as now recited by claim 22. Accordingly, applicants submit that amended claim 22 is not anticipated by McCormick et al. Dependent claims 24 – 29 and 34 are also not anticipated, since they depend from what should now be an

allowable independent claim. Accordingly, reconsideration and allowance of claims 22, 24 – 29, and 34 are respectfully requested.

Claim 54 stand rejected as being allegedly anticipated by Cohen et al. Claim 54 has been cancelled rendering this rejection moot.

Claims 54 – 58 and 60 – 64 stand rejected as being allegedly anticipated by Kenyon et al. Claims 54 – 58 and 60 – 64 have been cancelled rendering this rejection moot.

Claims 54 and 59 stand rejected as being allegedly anticipated by Sung-Wook Min et al. Claims 54 and 59 have been cancelled rendering this rejection moot.

Claims 59 and 65 stand rejected as being allegedly unpatentable over Kenyon et al. in combination with Nakajima et al. Claims 59 and 65 have been cancelled rendering this rejection moot.

Claims 30 – 33 and 36 – 41 stand rejected as being allegedly unpatentable over McCormick et al. in combination with Lawrence et al. Claims 30 – 33 and 36 – 41 depend from what should now be an allowable independent claim 1, as set forth above. Accordingly, reconsideration and allowance of claims 30 – 33 and 36 - 41 are respectfully requested.

Claim 6 stands rejected as being allegedly unpatentable over Gottfried et al. in combination with Baxes. Claim 6 depends from what should now be an allowable independent claim 1, as set forth above. Accordingly, reconsideration and allowance of claim 6 are respectfully requested.

Claims 8, 9, 13, and 14 stand rejected as being allegedly unpatentable over Gottfried et al. in combination with Lawrence et al. Claims 8, 9, 13, and 14 depend from what should now be an allowable independent claim 1, as set forth above. Accordingly, reconsideration and allowance of claims 8, 9, 13, and 14 are respectfully requested.

Claims 15 – 19 stand rejected as being allegedly unpatentable over Gottfried et al. in combination with McCormick et al. Claims 15 – 19 have been cancelled rendering this rejection moot. The limitations of cancelled claim 16 have been incorporated into claim 1, whereby the basis of the rejection of claim 16 limitations is discussed above.

Claims 20 and 21 stand rejected as being allegedly unpatentable over Gottfried et al. in combination with McCormick et al. and further in view of Lawrence et al. Claims 20 and 21 have been cancelled rendering this rejection moot.

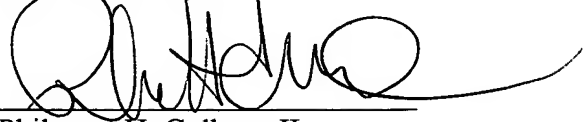
It is believed that the foregoing amendments and remarks fully comply with the Office Action and that claims 1 – 14, 22, 24 – 34, and 36 – 41 are in condition for allowance. Accordingly, reconsideration and allowance is respectfully requested.

In the event that there are any additional fees with respect to this Amendment, Applicants' attorneys respectfully request that such fees be withdrawn from Deposit Account No. 06-1130 maintained by Applicant's attorneys.

Respectfully submitted,

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